WHAT IS CLAIMED IS:

1. A coaxial connector with a switch, comprising:

a housing for defining a terminal accommodation chamber opened through a plug pin insertion hole; and

a fixed terminal and a switch terminal which are held by the housing;

the switch terminal comprising a U-shaped section opened toward the plug pin insertion hole in the terminal accommodation chamber, the U-shaped section being elastically deformable in a direction crossing the direction of plug pin insertion;

the switch terminal being switched from a state in which it is brought into contact with the fixed terminal to a state in which the contact thereof with the fixed terminal is cut off as the U-shaped section is deformed in the direction crossing the direction of plug pin insertion.

2. The coaxial connector with a switch according to claim 1,

wherein the fixed terminal comprises at least one fixed contact arranged substantially parallel to the direction of plug pin insertion in the terminal accommodation chamber,

wherein the U-shaped section in the switch terminal comprises first and second movable contacts,

wherein the first movable contact can be brought into contact with the fixed contact in the fixed terminal from a side, and the second movable contact can be brought into contact with a side part of a plug pin inserted from the plug pin insertion

hole, and

wherein the second movable contact is brought into contact with the plug pin, and the contact between the first movable contact and the fixed contact is cut off when the plug pin is inserted from the plug pin insertion hole.

3. The coaxial connector with a switch according to claim 2,

wherein the first movable contact is displaced sideward as the plug pin displaces the second movable contact sideward when the plug pin is inserted from the plug pin insertion hole, so that the first movable contact separates from the fixed contact.

4. The coaxial connector with a switch according to claim 1,

wherein the U-shaped section comprises first and second pieces connecting with each other through an elastic bending section and extending substantially parallel to the direction of plug pin insertion.

5. The coaxial connector with a switch according to claim 4,

wherein the switch terminal comprises a fixed end and a free end,

wherein the first piece and the second piece in the U-shaped section respectively connect with the fixed end and the free end, and

wherein the first and second movable contacts are provided in the second piece in the U-shaped section.

6. The coaxial connector with a switch according to claim 1,

wherein the switch terminal further comprises a section having a substantially S shape turned sideways.

7. The coaxial connector with a switch according to claim 6, wherein the switch terminal further comprises a fixed piece connecting with an end of the first piece in the U-shaped section through the elastic bending section, to form the section having a substantially S shape turned sideways in cooperation with the U-shaped section.

8. The coaxial connector with a switch according to claim 1, wherein the terminal accommodation chamber has an opening into which the fixed terminal and the switch terminal can be incorporated from the same direction.

9. The coaxial connector with a switch according to claim 2, wherein there are provided two fixed contacts and two first movable contacts which respectively correspond to each other.

10. The coaxial connector with a switch according to claim 9, wherein the second piece in the U-shaped section in the switch terminal comprises a first section inserted between the fixed contacts and a second section arranged closer to the free end in the switch terminal than the first section.

11. The coaxial connector with a switch according to claim 10, wherein a width of the second section in the second piece is larger than a width of the first section in the second piece, and

wherein the first section and the second section in the second piece forms a T shape.

12. The coaxial connector with a switch according to claim 10,

wherein a width of the second section in the second piece is larger than a width of a clearance between the fixed contacts.

13. The coaxial connector with a switch according to claim 10,

wherein the second section comprises a pair of ends opposed to each other, and

wherein the first movable contacts are provided at the ends in the second section respectively.

14. The coaxial connector with a switch according to claim 10,

wherein the second section comprises an intermediate section between a pair of the ends, and

wherein the second movable contact is provided in the intermediate section in the second section.

15. The coaxial connector with a switch according to claim 10,

wherein the second section in the second piece includes a mountain-shaped section projecting toward the fixed contact.